

Community : _____

410 ADDITIONAL FLOOD DATA

NOTE: Make a copy of this worksheet for each AFD. This worksheet is for AFD _____

411 Credit Points:

a. NS _____

1. Delineation of an approximate A Zone: _____
 2. Flood elevations for a site at time of development: _____
 3. New profile or length of shoreline: _____
 4. New profile with floodway or length of shoreline
with coastal velocity zone delineation: _____
 5. Repetitive loss area(s): _____
- Add lines 1 through 5: NS__ = _____

b. LEV__ EITHER

1. $\frac{\text{Non-FEMA share of study}}{\text{Total cost of study}}$ = _____

OR

2. A total of the following:
 - (a) 0.25 if better topographic map was contributed: _____
 - (b) 0.15 if other contributions were made to the study: _____
- LEV__ = _____

c. HSS__

1. Delineation of an approximate A Zone: _____
 2. Flood elevations for a site at time of development: _____
 3. New profile or length of shoreline: _____
- HSS__ = _____

d. FWS__

FWS__ = _____

e. CTP2__

CTP2__ = _____

412 AFDi ____ Impact Adjustment:

- a. Option 1: rAFD__ = 1.0
- b. Option 2: rAFD__ = 0.25
- c. Option 3: rAFD__ = $\frac{\text{aAFD}}{\text{aSFHA}}$ = _____

Community : _____

Public reporting burden for this information collection is estimated at 35 hours for the application and certification process. Burden means the time, effort, and financial resources expended by persons to generate, maintain, retain, disclose, or to provide information to us. You may send comments regarding the burden estimate or any aspect of the collection, including suggestions for reducing the burden to: Information Collections Management, U.S. Department of Homeland Security, Emergency Preparedness and Response Directorate, Federal Emergency Management Agency, 500 C St., S.W., Washington, D.C. 20472, Paperwork Reduction Project (OMB Control Number 1660-0022). You are not required to respond to this collection of information unless a valid OMB control number is displayed in the upper right corner of this form. Note: do not send your completed questionnaire to this address.

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AW-214	Recertification Worksheet
AW-230	Modification/Cycle Cover Page
AW-310	Elevation Certificates
AW-320	Map Information Service
AW-330	Outreach Projects
AW-340	Hazard Disclosure
AW-350	Flood Protection Information
AW-360	Flood Protection Assistance
AW-410	Additional Flood Data
AW-420	Open Space Preservation
AW-430	Higher Regulatory Standards
AW-430LD	Land Development Criteria
AW-440	Flood Data Maintenance
AW-450	Stormwater Management
AW-501	Repetitive Loss List
AW-502	Repetitive Loss Requirements
AW-510	Floodplain Management Planning
AW-520	Acquisition and Relocation
AW-530	Flood Protection
AW-540	Drainage System Maintenance
AW-610	Flood Warning Program
AW-620	Levee Safety
AW-630	Dam Safety
AW-710	Community Growth Adjustment
AW-720	Community Credit Calculations
AW-720m	Community Credit Calculations (Modification)
AW-CB	Closed Basin Lake Hazards
AW-CE	Coastal Erosion Hazards
AW-DB	Dunes and Beaches
AW-IJ	Ice Jam Hazards
AW-MF	Mudflow Hazards
AW-SU	Land Subsidence Hazards
AW-TS	Tsunami Hazards
AW-UF	Uncertain Flow Path Hazards

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413 Credit Calculation:

a. $cAFDi = ((NSi \times LEVi) + HSSi + FWS) \times rAFDi \times CTP2i$

$cAFD1 = ((___ \times ___) + ___ + ___) \times ___ \times ___ \quad cAFD1 = ______$

$cAFD2 = ((___ \times ___) + ___ + ___) \times ___ \times ___ \quad cAFD2 = ______$

$cAFD3 = ((___ \times ___) + ___ + ___) \times ___ \times ___ \quad cAFD3 = ______$

$cAFD4 = ((___ \times ___) + ___ + ___) \times ___ \times ___ \quad cAFD4 = ______$

$cAFD5 = ((___ \times ___) + ___ + ___) \times ___ \times ___ \quad cAFD5 = ______$

$cAFD6 = ((___ \times ___) + ___ + ___) \times ___ \times ___ \quad cAFD6 = ______$

b. $\Sigma AFDi$ = the total of cAFD1 through cAFD6: $\Sigma AFDi = ______$

AFDSH_____ (enter total 410 credit from all Special Hazards Worksheets)

$cAFDSH = AFDSH ______ \times CTP2 ______ \quad cAFDSH = ______$

CTP1 $\quad \quad \quad CTP1 = ______$

Add the lines under b above = $______$

$c410$ = value above rounded to the nearest whole number: $c410 = ______$

Enter this value on AW-720-1.

Comments:

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414 Credit Documentation:

- ___ a. The ordinance or law that adopts the flood study for regulatory purposes. AND/OR
___ The ordinance that requires site-specific flood elevation or floodway studies to be conducted at the time of permit application.
- b. EITHER:
 - ___ A copy of each study or an explanation of the technique used and a licensed professional engineer's statement that the study technique is approved by FEMA. OR
 - ___ A copy of the Flood Insurance Study pages or Letter of Map Revision (LOMR) that show that the study has been accepted by FEMA to revise the FIRM.
- ___ c. If the community requested credit for the independent review, documentation that the state or other agency reviewed and accepted the study or analysis techniques for which credit is being requested.
 - ___ NS: Documentation that new base flood elevations are higher than those shown in the FIRM.
 - ___ NS: If credit for mapping a repetitive loss area is requested, the area must be identified on a map.
 - ___ HSS: Documentation of the higher study standard used in the flood study.
 - ___ FWS: The state or local law that sets the maximum allowable surcharge used in the study and a copy of the Floodway Data Table or similar documentation that shows the surcharge used in the study.
 - ___ CTP1: Documentation that the community or other entity has signed the CTP agreement.
 - ___ CTP2: Documentation showing the relationship between the study and the CTP agreement.
- ___ d. LEV: Documentation of the non-FEMA share of the study and who paid for it.
- ___ e. The Impact Adjustment Map if Option 3 is used.
- ___ f. CTP2: Documentation that shows the relation between the study or standard and the CTP agreement.

The following will be needed at the cycle verification visit:

- ___ g. [If the community has received credit for a new study (NS) under Section 411.a] A certification by the community's engineer that its regulatory floodplain maps and related data reflect current conditions.

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